

# EAST Search History (30 pp.)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19170	((257/98) or (257/99) or (257/678) or (257/684) or (257/727) or (257/730) or (313/483) or (313/498) or (313/499) or (313/501) or (313/505) or (313/506) or (313/512) or (349/58) or (349/62) or (349/64) or (349/66) or (359/581)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 22:39
L2	70	1 and (aperture recess concave concavity opening) and (LC liquid adj crystal) adj panel and (electroluminescen\$3 EL) near1 (device element layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 22:43
L3	0	((toyota near1 jidoshokki).as. ((tetsuya tomoko) near1 utsumi).in. (kato near1 yoshifumi).in.) and (aperture recess concave concavity opening).clm. and (LC liquid adj crystal) adj panel.clm. and (electroluminescen\$3 EL) near1 (device element layer).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 22:46
S1	6	"814903".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 09:30
S2	25	organic adj luminescence.ti. and "257"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 15:08
S3	124	organic adj (EL luminescence).ti. and "257"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/08 15:09
S4	6	(US-20040222432-\$ or US-20020134166-\$).did. or (US-6601455-\$ or US-5773465-\$ or US-3633629-\$).did. or (US-5538343-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/08/07 21:56
S5	1	(US-20040222432-\$).did.	US-PGPUB	OR	OFF	2005/08/07 21:56
S6	1	(US-20040222432-\$).did.	US-PGPUB	OR	OFF	2005/08/07 21:56
S7	1	(US-20040222432-\$).did.	US-PGPUB	OR	OFF	2005/08/07 21:56

## EAST Search History

S8	1	jp-04116619\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/07 21:57
S9	1	jp-05249422\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/07 21:58
S10	1	jp-05249423\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/07 21:58
S11	2	jp-10253959\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/07 21:59
S12	2	jp-2000323272\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/07 21:59
S13	2	jp-2002351343\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:06
S14	2	jp-2001100165\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:07
S15	2	jp-2002087844\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:08
S16	2	jp-2002278473\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:09
S17	2	jp-2002318545\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:09

## EAST Search History

S18	2	jp-2002318547\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:10
S19	1	jp-04116619\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:12
S20	1	jp-05249422\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:12
S21	1	jp-05249423\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:12
S22	2	jp-10253959\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:12
S23	2	jp-2000323272\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:12
S24	19	S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:13
S25	906	el adj device.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:25
S26	3380	organic adj (electroluminescen\$2 el) adj device.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:25
S27	1414	organic adj (electroluminescen\$2 el) adj device.ti. and (light-emitting light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:26

## EAST Search History

S28	1105	organic adj (electroluminescen\$2 el) adj device.ti. and (light-emitting light adj emitting).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 07:26
S29	0	organic adj (electroluminescen\$2 el) adj device.ti. and (light-emitting light adj emitting).ti,ab,clm. and recess near4 (LC liquid adj crystal) adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 07:27
S30	0	organic adj (electroluminescen\$2 el) adj device.ti. and (light-emitting light adj emitting).ti,ab,clm. and recess and (LC liquid adj crystal) adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 07:27
S31	5	organic adj (electroluminescen\$2 el) adj device.ti. and (light-emitting light adj emitting).ti,ab,clm. and (LC liquid adj crystal) adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 07:53
S32	76	organic adj electroluminescen\$2 and (liquid adj crystal LC adj panel LCD) and (reduc\$4 near4 thickness thinness thin thick) and (cavity recess opening trench groove) and (roughness peak-to-valley rough "R.sub.max") and (diffusion spreader spreading prism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:06
S33	6832	((257/79) or (257/98) or (257/99) or (349/58) or (349/62) or (349/64) or (349/66) or (349/69)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 08:04
S34	1	S32 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 08:04
S35	78	organic adj electroluminescen\$2 and (liquid adj crystal LC adj panel LCD) and (cavity recess opening trench groove) and (roughness peak-to-valley rough "R.sub.max") and (diffusion spreader spreading prism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:07
S36	2	S33 and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:07

## EAST Search History

S37	430	(electroluminescen\$2 EL adj2 (element device)) and (liquid adj crystal LC adj panel LCD) and (cavity recess opening trench groove) and (roughness peak-to-valley rough "R.sub.max") and (diffusion spreader spreading prism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:11
S38	21	S33 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:08
S39	411	(electroluminescen\$2 EL adj2 (element device)) and (liquid adj crystal LC adj panel LCD) and (cavity recess opening trench holder) and (roughness peak-to-valley rough "R.sub.max") and (diffusion spreader spreading prism)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:11
S40	21	S33 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:11
S41	3	S40 not S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 08:12
S42	341	(349/64).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 08:19
S43	5	"292595".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 08:28
S44	79	S42 and (recess opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 08:28

## EAST Search History

S45	1263	(recess opening holding adj area holder) near6 (optical adj element member prism diffusion spreader) and transparent near4 substrate and (light-emitting electroluminescen\$2 light adj emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 09:12
S46	612	(recess opening holding adj area holder) near6 (optical adj element member prism diffusion spreader) and transparent near4 substrate and (light-emitting electroluminescen\$2 light adj emitting laser) and (liquid adj crystal LCD LC adj panel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 09:13
S47	252	(recess opening holding adj area holder) near6 (optical adj element member prism diffusion spreader) and transparent near4 substrate and (light-emitting electroluminescen\$2 light adj emitting laser) and (liquid adj crystal LCD LC adj panel) and ("257"/\$7.ccls. "438"/\$7.ccls. "349"/\$7.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 09:59
S48	57	(recess cup) near6 (optical adj element member prism diffusion spreader) and transparent near4 substrate and (light-emitting electroluminescen\$2 light adj emitting laser) and (liquid adj crystal LCD LC adj panel) and ("257"/\$7.ccls. "438"/\$7.ccls. "349"/\$7.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 14:03
S49	139011	(recess cup) near6 (optical adj element member prism diffusion spreader)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 14:04
S50	74861	(recess cup) near6 (optical adj element member prism diffusion spreader).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 14:04
S51	162	quinto.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 14:05

## EAST Search History

S52	126	mondt.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 14:05
S53	1668	active adj layer near10 (method step).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 14:22
S56	284	active adj layer near10 (method step).clm. and (GaN gallium adj nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:44
S57	284	active adj layer near10 (method step).clm. and (GaN gallium adj nitride)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:44
S58	691	HOUSING NEAR4 LIQUID ADJ CRYSTAL.TI,AB,CLM.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 15:49
S59	1154	HOUSING NEAR4 (LIQUID ADJ CRYSTAL).TI,AB,CLM.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 15:49
S60	226	HOUSING NEAR4 (LIQUID ADJ CRYSTAL).TI,AB,CLM. and (recess opening holder slit cup) near20 (liquid adj crystal LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:52
S61	226	HOUSING NEAR4 (LIQUID ADJ CRYSTAL).TI,AB,CLM. and (recess opening holder slit cup) near20 ((anode cathode) adj (layer region) liquid adj crystal LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:53
S62	0	HOUSING NEAR4 (LIQUID ADJ CRYSTAL).TI,AB,CLM. and (recess opening holder slit cup) near20 ((anode cathode) adj (layer region))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:54
S63	0	HOUSING NEAR4 (LIQUID ADJ CRYSTAL) and (recess opening holder slit cup) near20 ((anode cathode) adj (layer region))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 15:54

## EAST Search History

S64	19	HOUSING NEAR4 (LIQUID ADJ CRYSTAL) and ((recess opening holder slit cup) near20 (anode cathode))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/08 16:17
S65	4468	((257/678) or (257/684) or (257/727) or (257/730)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 16:21
S66	34	S65 and (recess opening cup holder) near4 (optical liquid adj crystal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/08 16:21
S67	2	(US-5296724-\$ or US-4355321-\$). did.	USPAT	OR	OFF	2005/08/08 16:24
S68	1	"5870160".pn. and "MD" and "SPC" and "SL"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 08:58
S69	1	"5870160".pn. and "MD" and "SPC" and "SL" and backlight	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 08:58
S70	72	liquid adj crystal adj display.ti,ab, clm. and spacer near6 ITO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 09:41
S71	13	liquid adj crystal adj display.ti,ab, clm. and spacer near2 ITO	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 09:52
S72	184	liquid adj crystal adj display.ti,ab, clm. and spacer near2 (transparent translucent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 09:53
S73	67	liquid adj crystal adj display.ti,ab, clm. and spacer near1 (transparent translucent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 10:42



## EAST Search History

S74	1148	(nonmagnetic non-magnetic) near1 metals	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 10:43
S75	265	(nonmagnetic non-magnetic) near1 metals.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 10:43
S76	4	ITO adj spacer and liquid adj crystal adj display	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 11:32
S77	4	ITO adj spacer and liquid adj crystal adj display and ITO same spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/10 13:31
S78	4003	diffusion adj (plate sheet) and (liquid adj crystal adj (device display panel) LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:32
S79	3031	diffusion adj (plate sheet) and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:33
S80	1978	diffusion adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:33
S81	1068	diffusion adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:33
S82	13	diffusion adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light) and organic adj electroluminescen\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:39

## EAST Search History

S83	1	diffusion adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light) near6 organic adj electroluminescen\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:36
S84	3	diffusion adj (plate sheet) and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light) near6 organic adj electroluminescen\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:36
S85	13	(spreading diffusion) adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light) and organic adj electroluminescen\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:41
S86	1075	(spreading diffusion) adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:41
S87	1000	(spreading diffusion) adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:44
S88	15	(spreading diffusion) adj (plate sheet).ti,ab,clm. and (liquid adj crystal adj (device display panel) LCD).ti,ab,clm. and (backlight back-light "back" adj light).ti,ab,clm. and roughness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:49
S89	8059	(backlight backadj light back-light) near4 (organic adj EL organic adj electroluminescen\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:50
S90	300	(backlight back adj light back-light) near4 (organic adj EL organic adj electroluminescen\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:50
S91	235	(backlight back adj light back-light) near4 (organic adj EL organic adj electroluminescen\$2) and (liquid adj crystal adj (device display) LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:54

## EAST Search History

S92	1866	transparent near2 silica	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:54
S93	0	transparent near1 silica near4 spacer and (liquid adj crystal adj (device display) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:55
S94	0	transparent near1 silica near4 spacer and (liquid adj crystal adj (device display) LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:55
S95	5	transparent near4 silica near4 spacer and (liquid adj crystal adj (device display) LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:56
S96	995	transparent near3 spacer and (liquid adj crystal adj (device display) LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:56
S97	663	transparent near3 spacer and (liquid adj crystal adj (device display) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 14:56
S98	361	transparent near3 spacer.ti,ab,clm. and (liquid adj crystal adj (device display) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 15:42
S99	13	(ITO near3 spacer).ti,ab,clm. and (liquid adj crystal adj (device display) LCD).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 16:36
S10 0	2	jp-2002182852\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:00
S10 1	1803	diffusion adj (sheet plate plane) and liquid adj crystal adj display.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:01

## EAST Search History

S10 2	1149	diffusion adj (sheet plate plane).ti, ab,clm. and liquid adj crystal adj display.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:02
S10 3	0	diffusion adj (sheet plate plane).ti, ab,clm. and liquid adj crystal adj display.ti. and diffusion adj (sheet plate plane) near10 roughness near20 ".mu.m"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:03
S10 4	0	diffusion adj (sheet plate plane).ti, ab,clm. and liquid adj crystal adj display.ti. and diffusion adj (sheet plate plane) near10 roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:03
S10 5	0	diffusion adj (sheet plate plane) and liquid adj crystal adj display.ti. and diffusion adj (sheet plate plane) near10 roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:05
S10 6	0	diffusion adj (sheet plate plane) and polari?er.ti,ab,clm. and diffusion adj (sheet plate plane) near10 roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:06
S10 7	0	diffusion adj (sheet plate plane) and polari?er and diffusion adj (sheet plate plane) near10 roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:06
S10 8	0	polari?er and diffusion adj (sheet plate plane) near10 roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:06
S10 9	0	polari?er and diffusion adj (sheet plate plane) same roughness and roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:07
S11 0	0	polari?er and diffusion adj (sheet plate plane) near20 roughness and roughness near10 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:07
S11 1	0	polari?er and diffusion adj (sheet plate plane) near20 roughness and roughness near20 ("mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:07

## EAST Search History

S11 2	0	polari?er and diffusion adj (sheet plate plane) near20 (P-v peak-to-valley roughness) and roughness near20 (".mu.m" micron)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:09
S11 3	2616	liquid adj crystal adj (device display).ti,ab,clm. and diffusion adj (sheet plate plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:09
S11 4	374	liquid adj crystal adj (device display).ti,ab,clm. and diffusion adj (sheet plate plane) and polarizer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:10
S11 5	125	liquid adj crystal adj (device display).ti,ab,clm. and diffusion adj (sheet plate plane) and polarizer and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:11
S11 6	6	liquid adj crystal adj (device display).ti,ab,clm. and diffusion adj (sheet plate plane) and polarizer near4 front and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:15
S11 7	27	liquid adj crystal adj (device display).ti,ab,clm. and diffusion adj (sheet plate plane) and polarizer near4 diffusion and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:17
S11 8	4	lens near20 roughness near20 (backlight back adj light back-light)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 17:17
S11 9	3	(anti-glare antiglae Newton) near6 glass adj substrate near6 (rough roughened roughening roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 07:14
S12 0	3	(anti-glare antiglare Newton) near6 glass adj substrate near6 (rough roughened roughening roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 07:14
S12 1	4	(anti-glare antiglare Newton) near6 glass near1 substrate near6 (rough roughened roughening roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 07:15

## EAST Search History

S12 2	5	(anti-glare antiglare Newton) near6 glass near1 substrate near6 (rough roughened roughening roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 07:15
S12 3	5	(anti-glare antiglare Newton) near6 glass near1 substrate near6 (rough roughened roughening roughness) and (liquid adj crystal CD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 07:15
S12 4	2	(anti-glare antiglare Newton) near6 glass near1 substrate near6 (rough roughened roughening roughness) and (liquid adj crystal LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:11
S12 5	2	("6049370").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 08:45
S12 6	2	S125 and (spacer ITO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 08:45
S12 7	213	glass near1 substrate near4 (rough roughened roughening roughness antiglare anti-glare Newton) and (liquid adj crystal LCD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:13
S12 8	48	glass near1 substrate near4 (rough roughened roughening roughness antiglare anti-glare Newton) and (liquid adj crystal LCD) and (back-light backlight "back" adj "light")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:21
S12 9	48	glass near1 substrate near4 (rough roughened roughening roughness antiglare anti-glare Newton) and (liquid adj crystal LCD) and (back-light backlight "back" adj "light") and glass adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:32
S13 0	40	glass near1 substrate near4 (rough roughened roughening roughness antiglare anti-glare Newton) and (liquid adj crystal LCD) and (back-light backlight "back" adj "light") and glass adj substrate and (rough roughness roughened)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:44

## EAST Search History

S13 1	49	(transparent glass) near1 substrate near4 (rough roughened roughening roughness antiglare anti-glare Newton) and (liquid adj crystal LCD) and (back-light backlight "back" adj "light") and glass adj substrate and (rough roughness roughened)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:59
S13 2	13	concave near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:00
S13 3	22	(convex concave) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:07
S13 4	4	(convex concave) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare) and (polarizer polarizing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:50
S13 5	2	jp-2003004903\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:10
S13 6	4	(convex concave) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare anti-dazzle anti adj dazzle) and (polarizer polarizing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:52
S13 7	9	(convex concave recess holder receiving cup opening aperture niche bay indentation indent indented) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare anti-dazzle anti adj dazzle) and (polarizer polarizing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:54
S13 8	5	(convex concave recess holder receiving cup opening aperture niche bay indentation indent indented) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare anti-dazzle anti adj dazzle) and (polarizer polarizing) and recess	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:00

## EAST Search History

S13 9	83	(convex concave recess holder receiving cup opening aperture niche bay indentation indent indented) near4 (glass transparent translucent) near4 (rough roughness roughened anti-glare antiglare anti-dazzle anti adj dazzle)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:50
S14 0	0	jp-5242631\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:12
S14 1	0	jp-35242631\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:12
S14 2	0	jp-352042631\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:13
S14 3	1	jp-52042631\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:13
S14 4	32467	(convex concave) near1 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:51
S14 5	27	(convex concave) near1 lens near6 (peak-to-valley p-v roughened roughen rough roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:59
S14 6	18	(convex concave) near4 transparent near4 (layer film plate plane substrate) same (peak-to-valley p-v roughened roughen rough roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:03
S14 7	75	(convex concave recess indented indentation recessed opening aperture trench groove holder) near4 transparent near4 (layer film plate plane substrate) same (peak-to-valley p-v roughened roughen rough roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:04



## EAST Search History

S14 8	77	(convex concave recess indented indentation recessed opening aperture trench groove holder) near4 (translucent transparent) near4 (layer film plate plane substrate) same (peak-to-valley p-v roughened roughen rough roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:20
S14 9	2	jp-10288705\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:31
S15 0	896	black adj matrix.ti. and liquid adj crystal.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:32
S15 1	601	black adj matrix.ti. and liquid adj crystal.ti,ab,clm. and colo\$1r adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:32
S15 2	150	black adj matrix.ti. and liquid adj crystal.ti,ab,clm. and colo\$1r adj filter and transparent adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:33
S15 3	150	black adj matrix.ti. and liquid adj crystal.ti,ab,clm. and colo\$1r adj filter and transparent adj substrate and black adj matrix	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:34
S15 4	27	black adj matrix.ti. and liquid adj crystal.ti,ab,clm. and colo\$1r adj filter and transparent adj substrate and black adj matrix and (backlight back adj light)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:34
S15 5	5	((("5870160") or ("6049370"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/25 22:10
S15 6	2384	(257/98).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/25 22:10

## EAST Search History

S15 7	9	S156 and substrate near3 (transparent translucent) and (recess indentation indented cavity recessed) near4(lens phosphor fluoresecen\$2 filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/25 22:14
S15 8	9	S156 and substrate near3 (transparent translucent) and (recess indentation indented cavity recessed) near4(lens phosphor fluoresecen\$2 filter) and (light adj emitting light-emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:10
S15 9	2	"20020089624".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:18
S16 0	1577	reflect\$3 near4 (roughness rough) and (light-emitting light adj emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:19
S16 1	422	reflect\$3 near4 (roughness rough) and (light-emitting light adj emitting laser) and (LED VCSEL)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:19
S16 2	3823	reflect\$3 near4 (roughness rough)"ti,ab,clm." and (light-emitting light adj emitting laser) and (LED VCSEL)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:19
S16 3	46	reflect\$3 near4 (roughness rough). ti,ab,clm. and (light-emitting light adj emitting laser) and (LED VCSEL)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:21
S16 4	7	reflect\$3 near4 (roughness rough). ti,ab,clm. and (light-emitting light adj emitting laser) and (LED VCSEL) and ("257"/\$7.ccls. "372"/\$7.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:22
S16 5	6	reflect\$3 near4 (roughness rough). ti,ab,clm. and (light-emitting light adj emitting laser) and (LED VCSEL) and ("257"/\$7.ccls. "372"/\$7.ccls.) and roughness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:27

## EAST Search History

S16 6	0	surface adj roughness near4 nm with antireflective	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:28
S16 7	0	surface adj roughness near4 ".micro. m" with antireflective	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:28
S16 8	0	surface adj roughness with antireflective	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:29
S16 9	0	surface adj roughness and (257/79. ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:29
S17 0	285	surface adj roughness and (257/79. ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:29
S17 1	41	surface adj roughness.ti,ab,clm. and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:33
S17 2	0	anti adj reflective near6 surface adj roughness.ti,ab,clm. and (257/79. ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:33
S17 3	0	antireflective near6 surface adj roughness.ti,ab,clm. and (257/79. ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:33
S17 4	1	reflective near6 surface adj roughness.ti,ab,clm. and (257/79. ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:34
S17 5	14	surface adj roughness.ti,ab,clm. and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:36

## EAST Search History

S17 6	4	"6087680"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 00:36
S17 7	2	roughness with antireflective with rms	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 08:31
S17 8	4	roughness same antireflective same rms	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:32
S17 9	4	roughness same antireflective same (root adj mean adj square rms)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:32
S18 0	15	roughness same antireflective same (root adj mean adj square rms average)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:50
S18 1	0	roughness same antireflective same (root adj mean adj square rms average) and (light-emitting light adj emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:35
S18 2	0	roughness same antireflective same (root adj mean adj square rms average) and (light-emitting light adj emitting laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:35
S18 3	0	roughness same antireflective same (root adj mean adj square rms average) and (light-emitting light adj emitting laser optoelectronic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:36
S18 4	1	roughness same antireflective same (root adj mean adj square rms average) and (light-emitting light adj emitting laser optoelectronic photodiode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:36
S18 5	13573	((257/79) or (257/8\$1) or (257/9\$1) or (257/10\$1)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 08:51

## EAST Search History

S18 6	0	S185 and (anti-reflective antireflective) with (surface adj roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:52
S18 7	285	S185 and (surface adj roughness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:52
S18 8	0	S185 and (surface adj roughness) with ".m.m"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 08:52
S18 9	65	S185 and (surface adj roughness) with nm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 10:50
S19 0	3	("5870160").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 18:02
S19 1	2	("5633527").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 11:12
S19 2	33	liquid adj crystal adj display and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) and back adj light and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:30
S19 3	0	liquid adj crystal adj display and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) and "349"/\$7.ccls. and back adj light and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:30
S19 4	46	liquid adj crystal adj display near6 (back adj light backlight) and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:46

## EAST Search History

S19 5	0	liquid adj crystal adj display near6 (back adj light backlight) near6 (monolithically monolithic monolithical) and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:44
S19 6	0	liquid adj crystal adj display near12 (back adj light backlight) near12 (monolithically monolithic monolithical) and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/10\$1.ccls.) and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:44
S19 7	1813	liquid adj crystal adj display near6 (back adj light backlight) and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:46
S19 8	4	liquid adj crystal adj display near6 (back adj light backlight) near6 monolithic\$4 and (recess recessed cavity indentation indented indent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 11:49
S19 9	4	liquid adj crystal adj display near6 (back adj light backlight) near6 monolithic\$4 and (recess recessed cavity indentation indented indent) and (light adj emitting light-emitting)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 12:06
S20 0	4	liquid adj crystal adj display near6 (back adj light backlight) near6 monolithic\$4 and (recess recessed cavity indentation indented indent) and (light adj emitting light-emitting) and (back adj light backlight)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 12:11
S20 1	5	liquid adj crystal adj display near6 (back adj light backlight) near6 monolithic\$4 and (light adj emitting light-emitting) and (back adj light backlight)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 12:11
S20 2	5	liquid adj crystal adj display near6 (back adj light backlight) near6 monolithic\$4 and (light adj emitting light-emitting laser) and (back adj light backlight)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 12:12

## EAST Search History

S20 3	86	casio.as. and liquid adj crystal and organic adj (EL electroluminescent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/03/26 16:38
S20 4	0	casio.as. and liquid adj crystal and organic adj (EL electroluminescent) and (recess cavity niche indentation indented)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 16:39
S20 5	0	casio.as. and liquid adj crystal and organic adj (EL electroluminescent) and monolithic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 16:39
S20 6	86	casio.as. and liquid adj crystal and organic adj (EL electroluminescent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 16:45
S20 7	2	jp-2000231105\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 16:46
S20 8	2	("20020089624").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 18:23
S20 9	2	("6359735").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 18:26
S21 0	486	lens.ti. and roughness.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 18:27
S21 1	48	lens.ti. and roughness.ti,ab,clm.	USPAT	OR	ON	2006/03/26 18:44
S21 2	16306	((257/98) or (257/99) or (257/678) or (257/684) or (257/727) or (257/730) or (313/483) or (313/498) or (313/499) or (313/501) or (313/505) or (313/506) or (313/512) or (349/58) or (349/62) or (349/64) or (349/66) or (359/581)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/26 18:46

## EAST Search History

S21 3	20	S212 and (light-emitting light adj emitting laser).ti,ab,clm. and organic adj (EL electroluminescen\$2).ti,ab,clm. and (recess niche cavity indentation indent indented indenting recessed).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/26 18:49
S21 4	9324	liquid adj crystal adj panel with (liquid adj crystal adj display)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/05 16:35
S21 5	5731	liquid adj crystal adj panel with (liquid adj crystal adj display).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 16:35
S21 6	3325	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 16:35
S21 7	411	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm. and @ad<"20030330"	USPAT	OR	ON	2006/06/05 16:39
S21 8	368	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm. and @ad<"20020330"	USPAT	OR	ON	2006/06/05 16:40
S21 9	126	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm. and @ad<"20020330" and panel near6 layer	USPAT	OR	ON	2006/06/05 16:44
S22 0	126	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm. and @ad<"20020330" and panel near6 layer and panel	USPAT	OR	ON	2006/06/05 16:44
S22 1	108	liquid adj crystal adj panel near6 (liquid adj crystal adj display).ti,ab,clm. and @ad<"20010330" and panel near6 layer and panel	USPAT	OR	ON	2006/06/05 16:45
S22 2	2	jp-2000231105\$-\$.did.	USPAT; JPO; DERWENT	OR	ON	2006/06/05 16:45
S22 3	6	"814903".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 10:43



## EAST Search History

S22 4	1657	meier.xp.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 10:54
S22 5	2	("5633527").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:19
S22 6	0	jp-2000231105\$-\$.did	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:19
S22 7	0	jp-200231105\$-\$.did	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:19
S22 8	0	jp-2002231105\$-\$.did	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:20
S22 9	0	jp-2000231105\$-\$.did	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:20
S23 0	0	jp-2000231105\$-\$.did	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/13 11:22
S23 1	2	("20020005824").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 14:36
S23 2	2	jp-2002006765\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 12:51
S23 3	2	jp-2000231105\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 12:52

## EAST Search History

S23 4	17717	((257/98) or (257/99) or (257/678) or (257/684) or (257/727) or (257/730) or (313/483) or (313/498) or (313/499) or (313/501) or (313/505) or (313/506) or (313/512) or (349/58) or (349/62) or (349/64) or (349/66) or (359/581)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 14:38
S23 5	27	S234 and (LC liquid adj crystal) adj panel.clm. and (recess niche cavity).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:40
S23 6	2	jp-2000231105\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 10:32
S23 7	0	"20020005824"\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 10:33
S23 8	2	"20020005824".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 10:33
S23 9	228	crystal adj panel near10 electrode near10 (crystal adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 15:09
S24 0	76	crystal adj panel near10 electrode near10 (crystal adj layer)	USPAT	OR	OFF	2007/01/30 15:10
S24 1	475	(transparent translucent) near2 substrate and (light\$1emitting adj (element diode) el adj layer electroluminescent adj layer) and (liquid adj crystal adj panel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 09:36
S24 2	316	(transparent translucent) near2 substrate and (light\$1emitting adj (element diode) el adj layer electroluminescent adj layer) and (liquid adj crystal adj panel) and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/19 17:26

## EAST Search History

S24 3	2	("6580479").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 09:30
S24 4	1	S243 and "16"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 09:31
S24 5	475	(transparent translucent) near2 substrate and (light\$1emitting adj (element diode) el adj layer electroluminescent adj layer) and (liquid adj crystal adj panel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 09:52
S24 6	4	("6025894").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 10:20
S24 7	1455	integrated and back\$1light and liquid adj crystal adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 10:21
S24 8	257	integrated.ti,ab,clm. and back\$1light and liquid adj crystal adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 10:22
S24 9	178	integrated.ti,ab,clm. and back\$1light and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 11:19
S25 0	269	recess and back\$1light and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 11:41
S25 1	687	recess and (light adj source light-emitting adj (diode element device) electroluminescent) and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 11:43
S25 2	118	recess and (light adj source light-emitting adj (diode element device) electroluminescent).ti,ab, clm. and liquid adj crystal adj panel. ti,ab,clm. and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:05

## EAST Search History

S25 3	872	(transmission transmittance) and lcd adj panel and (el electroluminescen\$2 light-emitting light\$1emitting light adj source back\$1light back adj light) and package	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:07
S25 4	529	(transmission transmittance) and lcd adj panel and (el electroluminescen\$2 light-emitting light\$1emitting light adj source back\$1light back adj light) and package and integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:08
S25 5	374	(transmission transmittance) and lcd adj panel and (el electroluminescen\$2 light-emitting light\$1emitting light adj source back\$1light back adj light) and package and integrated and (recess opening aperture)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:10
S25 6	209	(transmission transmittance) and lcd adj panel and (el electroluminescen\$2 light-emitting light\$1emitting light adj source back\$1light back adj light) and package and integrated and (recess opening aperture) and @ad<"20030401"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:13
S25 7	111	(transmission transmittance) and lcd adj panel and (el electroluminescen\$2 light-emitting light\$1emitting light adj source back\$1light back adj light) and package and integrated and (recess) and @ad<"20030401"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:13
S25 8	53	lcd and utsumi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 15:20
S25 9	23	lcd and utsumi.in. and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:23
S26 0	2	lcd and (tetsuya near1 utsumi).in. and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:24

## EAST Search History

S26 1	679	recess and (light adj source light-emitting adj (diode element device) electroluminescen\$2 near1 (layer device element)) and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:28
S26 2	34	recess and (light adj source light-emitting adj (diode element device) electroluminescen\$2 near1 (layer device element)) and liquid adj crystal adj panel and @ad<"20040331" and integrated and package.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 15:29
S26 3	25	recess and (light adj source light-emitting adj (diode element device) electroluminescen\$2 near1 (layer device element)) and liquid adj crystal adj panel and @ad<"20040331" and integrated and package and transmission	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 16:28
S26 4	0	("981763.ap.").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 16:28
S26 5	2	"981763".ap. and (wheel actuator banister)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 16:44
S26 6	0	(liftup.as. (john near1 nielsen).in. (kristiansen near1 erik).in. (flemming near1 eriksen).in.) and method near4 lift\$3.clm. and actuator.clm. and banister.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 16:48
S26 7	0	(liftup.as. (john near1 nielsen).in. (kristiansen near1 erik).in. (flemming near1 eriksen).in.) and method near4 lift\$3.clm. and (lifting near1 means).clm. and banister. clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 16:49
S26 8	81	recess near12 (lcd adj panel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 17:25
S26 9	10	recess near12 (lcd adj panel) and recess and lcd adj panel and transmission	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 17:25

## EAST Search History

S27 0	81	recess near12 (lcd adj panel) and recess and lcd adj panel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 18:10
S27 1	16	recess near12 (lcd adj panel) and recess and lcd adj panel and (transparent translucent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 18:10
S27 2	690	recess and (light adj source light-emitting adj (diode element device) (EL electroluminescen\$2) adj (layer device element)) and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 19:46
S27 3	291	recess and (light adj source light-emitting adj (diode element device) (EL electroluminescen\$2) adj (layer device element)) and (back adj light back\$1light) and liquid adj crystal adj panel and @ad<"20040331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/20 20:04
S27 4	507	(349/62).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 20:19
S27 5	126	yamagishi.in. and image adj display.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/20 22:37